CRF Errors Edited by the STIC Systems Branch

Serial Number: _10/583,191_   CRF Edit Date: _07/06/2006_
                                       Edited by: _DA_

____ Realigned nucleic acid/amino acid numbers/text in cases where the sequence text "wrapped" to the next line

____ Corrected the SEQ ID NO. Sequence numbers edited were:

_____

____ Inserted or corrected a nucleic number at the end of a nucleic line. SEQ ID NO's edited:

_____

__/__ Deleted: ___ invalid beginning/end-of-file text ; ___ page numbers

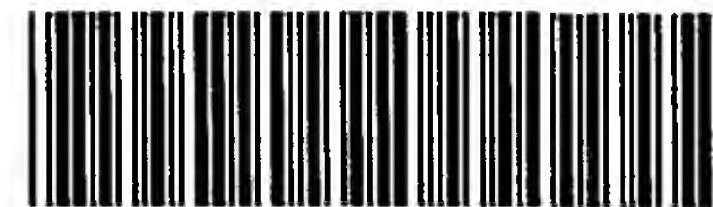____ Inserted mandatory headings/numeric identifiers, specifically:

_____

____ Moved responses to same line as heading/numeric identifier, specifically:

_____

____ Other:

_____
_____
_____

IFWP

RAW SEQUENCE LISTING   DATE: 07/06/2006
PATENT APPLICATION: US/10/583,191   TIME: 13:00:24

Input Set : **N:\DA\pto.da.txt**
Output Set: **N:\CRF4\07052006\J583191.raw**

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 3 <110> APPLICANT: BASF Aktiengesellschaft
 5 <120> TITLE OF INVENTION: Psod-Expressionseinheiten
 7 <130> FILE REFERENCE: PF 55185/Mec
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C--> 9 **<140> CURRENT APPLICATION NUMBER: US/10/583,191**
C--> 10 **<141> CURRENT FILING DATE: 2006-06-14**
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17 <213> ORGANISM: Corynebacterium glutamicum
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20 <223> OTHER INFORMATION: SUPEROXID\DISMUTASE\RXA03119\
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27 agcgccatct gacggatttt caaaagatgt atatgctcgg tgcggaaacc tac       173
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31 <211> LENGTH: 191
32 <212> TYPE: DNA
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35 <220> FEATURE:
36 <223> OTHER INFORMATION: SUPEROXID\DISMUTASE\RXA03119\
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41 tcgttgcaat atcaacaaaa aggcctatca ttgggaggtg tcgcaccaag tacttttgcg 120
43 aagcgccatc tgacggattt tcaaaagatg tatatgctcg gtgcggaaac ctacgaaagg 180
45 attttttacc c                                                     191
48 <210> SEQ ID NO: 3
49 <211> LENGTH: 1365
50 <212> TYPE: DNA
51 <213> ORGANISM: Corynebacterium glutamicum
53 <220> FEATURE:
54 <223> OTHER INFORMATION: RXA00077
56 <400> SEQUENCE: 3
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59 aaacagatcg aggtgtcgct cttagatgtc atcgaatcct cacgccattt ttctgatttg 120
61 aaagatagca ctgatcgttc tgcgttagat gctgcgctag agagagcaaa aagagctgcc 180
63 gcagttgata ccaatgccat agaaggaatc ttccaaactg atcgcggttt tacccataca 240
65 gttgcaacgc aggtaggggc ttgggagcaa caaatggcga tgaaaggcaa acatgttaag 300
67 cctgcgtttg acgatactct agaaggcttt gagtatgttc tcgatgcagt aactggtaga 360
69 actccaatct ctcagcaatg gattagaaat ttgcacgccg tcattctgcg gagccaagaa 420
71 agccacgagg tttttacagc cgttggagtc caaaatcagg cgcttcagaa aggcgagtat 480
73 aaaactcagc caaatagtcc acagcgctca gatggatctg tacatgcata cgccccagtt 540
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RAW SEQUENCE LISTING
PATENT APPLICATION: US/10/583,191

DATE: 07/06/2006
TIME: 13:00:24

Input Set : **N:\DA\pto.da.txt**
Output Set: **N:\CRF4\07052006\J583191.raw**

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 79 tttgcagatg ggaatggacg agttgcacga gccttggcta gtgttttct  atacaaagat  720
 81 cctggtgtcc ctctcgtaat ctaccaagat caacgcagag attacatcca tgctctagaa  780
 83 gcagcggaca agaataaccc gctcctgctg attagattct tgctgaacg  agtgaccgat  840
 85 actattaact ctattatcgt tgatctcact accccgatcg cgggtaaatc tggttcggct  900
 87 aagctttcgg atgcgctacg ccccactcgc gtattaccag aattacatga tgctacacat  960
 89 aggctccaag aaagtttatt tacagaaatc cgatctcgat tggatgaaga aggaaaaagg 1020
 91 aatgggttgg agtttctact tcaacggatt tttatcggtt ccccattcaa tctgccagag 1080
 93 ggctataacg ctttccctga tagctattgt ctgaccttag ctttcaatag caactctcca 1140
 95 aaacaaatct tccacccgct atccatagta atagcagctc gagatgggaa aagagcgagc 1200
 97 agcgacctcg tggcagctac ttctattgga tacaactttc acgcttacgg acgtgaagtc 1260
 99 gagcctgttg ttactgaaag ctttcgagaa cgtgtgaaaa tttacgccga cgggattgta 1320
101 gatcacttct taaccgaact ggctaaaaag tttcaacaga attaa             1365
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104 <210> SEQ ID NO: 4
105 <211> LENGTH: 454
106 <212> TYPE: PRT
107 <213> ORGANISM: Corynebacterium glutamicum
110 <400> SEQUENCE: 4
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112   1               5                  10                  15
114 Phe Asp Asp Trp Lys Gln Ile Glu Val Ser Leu Leu Asp Val Ile Glu
115             20                  25                  30
117 Ser Ser Arg His Phe Ser Asp Leu Lys Asp Ser Thr Asp Arg Ser Ala
118         35                  40                  45
120 Leu Asp Ala Ala Leu Glu Arg Ala Lys Arg Ala Ala Ala Val Asp Thr
121     50                  55                  60
123 Asn Ala Ile Glu Gly Ile Phe Gln Thr Asp Arg Gly Phe Thr His Thr
124 65                  70                  75                  80
126 Val Ala Thr Gln Val Gly Ala Trp Glu Gln Gln Met Ala Met Lys Gly
127             85                  90                  95
129 Lys His Val Lys Pro Ala Phe Asp Asp Thr Leu Glu Gly Phe Glu Tyr
130             100                 105                 110
132 Val Leu Asp Ala Val Thr Gly Arg Thr Pro Ile Ser Gln Gln Trp Ile
133         115                 120                 125
135 Arg Asn Leu His Ala Val Ile Leu Arg Ser Gln Glu Ser His Glu Val
136     130                 135                 140
138 Phe Thr Ala Val Gly Val Gln Asn Gln Ala Leu Gln Lys Gly Glu Tyr
139 145                 150                 155                 160
141 Lys Thr Gln Pro Asn Ser Pro Gln Arg Ser Asp Gly Ser Val His Ala
142             165                 170                 175
144 Tyr Ala Pro Val Glu Asp Thr Pro Ala Glu Met Ala Arg Phe Ile Ser
145             180                 185                 190
147 Glu Leu Glu Ser Lys Glu Phe Leu Ala Ala Glu Lys Val Ile Gln Ala
148         195                 200                 205
150 Ala Tyr Ala His Tyr Ala Phe Val Cys Ile His Pro Phe Ala Asp Gly
151     210                 215                 220
153 Asn Gly Arg Val Ala Arg Ala Leu Ala Ser Val Phe Leu Tyr Lys Asp
154 225                 230                 235                 240
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RAW SEQUENCE LISTING   DATE: 07/06/2006
PATENT APPLICATION: US/10/583,191   TIME: 13:00:24

Input Set : **N:\DA\pto.da.txt**
Output Set: **N:\CRF4\07052006\J583191.raw**

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156 Pro Gly Val Pro Leu Val Ile Tyr Gln Asp Gln Arg Arg Asp Tyr Ile
157             245             250             255
159 His Ala Leu Glu Ala Ala Asp Lys Asn Asn Pro Leu Leu Leu Ile Arg
160             260             265             270
162 Phe Phe Ala Glu Arg Val Thr Asp Thr Ile Asn Ser Ile Ile Val Asp
163             275             280             285
165 Leu Thr Thr Pro Ile Ala Gly Lys Ser Gly Ser Ala Lys Leu Ser Asp
166     290             295             300
168 Ala Leu Arg Pro Thr Arg Val Leu Pro Glu Leu His Asp Ala Ala His
169 305             310             315             320
171 Arg Leu Gln Glu Ser Leu Phe Thr Glu Ile Arg Ser Arg Leu Asp Glu
172             325             330             335
174 Glu Gly Lys Arg Asn Gly Leu Glu Phe Leu Leu Gln Arg Ile Phe Ile
175             340             345             350
177 Gly Ser Pro Phe Asn Leu Pro Glu Gly Tyr Asn Ala Phe Pro Asp Ser
178             355             360             365
180 Tyr Cys Leu Thr Leu Ala Phe Asn Ser Asn Ser Pro Lys Gln Ile Phe
181     370             375             380
183 His Pro Leu Ser Ile Val Ile Ala Ala Arg Asp Gly Lys Arg Ala Ser
184 385             390             395             400
186 Ser Asp Leu Val Ala Ala Thr Ser Ile Gly Tyr Asn Phe His Ala Tyr
187             405             410             415
189 Gly Arg Glu Val Glu Pro Val Val Thr Glu Ser Phe Arg Glu Arg Val
190             420             425             430
192 Lys Ile Tyr Ala Asp Gly Ile Val Asp His Phe Leu Thr Glu Leu Ala
193     435             440             445
195 Lys Lys Phe Gln Gln Asn
196     450
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200 <211> LENGTH: 35
201 <212> TYPE: DNA
202 <213> ORGANISM: Corynebacterium glutamicum
204 <220> FEATURE:
205 <223> OTHER INFORMATION: SEQ_ID5
207 <400> SEQUENCE: 5
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212 <211> LENGTH: 34
213 <212> TYPE: DNA
214 <213> ORGANISM: Corynebacterium glutamicum
216 <220> FEATURE:
217 <223> OTHER INFORMATION: SEQ_ID_6
219 <400> SEQUENCE: 6
220 ctctctctgt cgacgaattc aatcttacgg cctg                       34
223 <210> SEQ ID NO: 7
224 <211> LENGTH: 4323
225 <212> TYPE: DNA
226 <213> ORGANISM: Corynebacterium glutamicum
228 <220> FEATURE:
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229 <223> OTHER INFORMATION: SEQ_ID_7
231 <220> FEATURE:
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236 <220> FEATURE:
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238 <222> LOCATION: (1515)..(2375)
239 <223> OTHER INFORMATION: Ori-EC (pMB)
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242 <221> NAME/KEY: misc_feature
243 <222> LOCATION: (1515)..(2375)
244 <223> OTHER INFORMATION: Ori-EC (pMB) complement
246 <220> FEATURE:
247 <221> NAME/KEY: misc_feature
248 <222> LOCATION: (2418)..(3839)
249 <223> OTHER INFORMATION: SacB complement
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254 <223> OTHER INFORMATION: PsacB complement
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261 tttaaatcgc tagcgggctg ctaaaggaag cggaacacgt agaaagccag tccgcagaaa 180
263 cggtgctgac cccggatgaa tgtcagctac tgggctatct ggacaaggga aaacgcaagc 240
265 gcaaagagaa agcaggtagc ttgcagtggg cttacatggc gatagctaga ctgggcggtt 300
267 ttatggacag caagcgaacc ggaattgcca gctggggcgc cctctggtaa ggttgggaag 360
269 ccctgcaaag taaactggat ggctttcttg ccgccaagga tctgatggcg caggggatca 420
271 agatctgatc aagagacagg atgaggatcg tttcgcatga ttgaacaaga tggattgcac 480
273 gcaggttctc cggccgcttg ggtggagagg ctattcggct atgactgggc acaacagaca 540
275 atcggctgct ctgatgccgc cgtgttccgg ctgtcagcgc aggggcgccc ggttcttttt 600
277 gtcaagaccg acctgtccgg tgccctgaat gaactgcagg acgaggcagc gcggctatcg 660
279 tggctggcca cgacgggcgt tccttgcgca gctgtgctcg acgttgtcac tgaagcggga 720
281 agggactggc tgctattggg cgaagtgccg gggcaggatc tcctgtcatc tcaccttgct 780
283 cctgccgaga aagtatccat catggctgat gcaatgcggc ggctgcatac gcttgatccg 840
285 gctacctgcc cattcgacca ccaagcgaaa catcgcatcg agcgagcacg tactcggatg 900
287 gaagccggtc ttgtcgatca ggatgatctg gacgaagagc atcaggggct cgcgccagcc 960
289 gaactgttcg ccaggctcaa ggcgcgcatg cccgacggcg aggatctcgt cgtgacccat 1020
291 ggcgatgcct gcttgccgaa tatcatggtg gaaaatggcc gcttttctgg attcatcgac 1080
293 tgtggccggc tgggtgtggc ggaccgctat caggacatag cgttggctac ccgtgatatt 1140
295 gctgaagagc ttggcggcga atgggctgac cgcttcctcg tgctttacgg tatcgccgct 1200
297 cccgattcgc agcgcatcgc cttctatcgc cttcttgacg agttcttctg agcgggactc 1260
299 tggggttcga aatgaccgac caagcgacgc ccaacctgcc atcacgagat ttcgattcca 1320
301 ccgccgcctt ctatgaaagg ttgggcttcg gaatcgtttt ccgggacgcc ggctggatga 1380
303 tcctccagcg cggggatctc atgctggagt tcttcgccca cgctagcggc gcgccggccg 1440
305 gcccggtgtg aaataccgca cagatgcgta aggagaaaat accgcatcag cgctcttcc 1500
307 gcttcctcgc tcactgactc gctgcgctcg tcgttcggc tgcggcgagc ggtatcagct 1560
309 cactcaaagg cggtaatacg gttatccaca gaatcagggg ataacgcagg aaagaacatg 1620
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RAW SEQUENCE LISTING   DATE: 07/06/2006
PATENT APPLICATION: US/10/583,191   TIME: 13:00:24

Input Set : **N:\DA\pto.da.txt**
Output Set: **N:\CRF4\07052006\J583191.raw**

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315 aacccgacag gactataaag ataccaggcg tttccccctg gaagctccct cgtgcgctct 1800
317 cctgttccga ccctgccgct taccggatac ctgtccgcct ttctcccttc gggaagcgtg 1860
319 gcgctttctc atagctcacg ctgtaggtat ctcagttcgg tgtaggtcgt tcgctccaag 1920
321 ctgggctgtg tgcacgaacc ccccgttcag cccgaccgct gcgccttatc cggtaactat 1980
323 cgtcttgagt ccaacccggt aagacacgac ttatcgccac tggcagcagc cactggtaac 2040
325 aggattagca gagcgaggta tgtaggcggt gctacagagt tcttgaagtg gtggcctaac 2100
327 tacggctaca ctagaaggac agtatttggt atctgcgctc tgctgaagcc agttaccttc 2160
329 ggaaaaagag ttggtagctc ttgatccggc aaacaaacca ccgctggtag cggtggtttt 2220
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335 agattatcaa aaaggatctt cacctagatc cttttaaagg ccggccgcgg ccgccatcgg 2400
337 cattttcttt tgcgttttta tttgttaact gttaattgtc cttgttcaag gatgctgtct 2460
339 ttgacaacag atgttttctt gcctttgatg ttcagcagga agctcggcgc aaacgttgat 2520
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343 ttcgcttgag gtacagcgaa gtgtgagtaa gtaaaggtta catcgttagg atcaagatcc 2640
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361 cctgagctgt agttgccttc atcgatgaac tgctgtacat tttgatacgt ttttccgtca 3180
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365 gatacgttaa cttgtgcagt tgtcagtgtt tgtttgccgt aatgtttacc ggagaaatca 3300
367 gtgtagaata aacggatttt tccgtcagat gtaaatgtgg ctgaacctga ccattcttgt 3360
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373 gatgtgtcat ccgcattttt aggatctccg gctaatgcaa agacgatgtg gtagccgtga 3540
375 tagtttgcga cagtgccgtc agcgttttgt aatggccagc tgtcccaaac gtccaggcct 3600
377 tttgcagaag agatattttt aattgtggac gaatcaaatt cagaaacttg atattttca 3660
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397 gcataaagtt gccttttttaa tcacaattca gaaaatatca taatatctca tttcactaaa 4260
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405 <211> LENGTH: 5860
406 <212> TYPE: DNA
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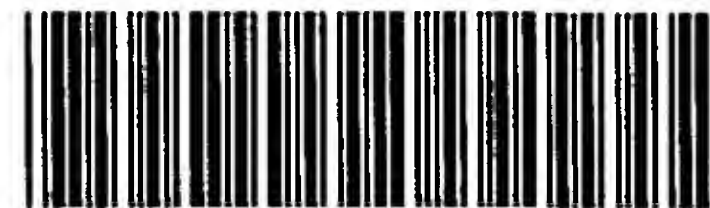
VERIFICATION SUMMARY   DATE: 07/06/2006
PATENT APPLICATION: **US/10/583,191**   TIME: 13:00:25

         Input Set : **N:\DA\pto.da.txt**
         Output Set: **N:\CRF4\07052006\J583191.raw**

L:9 M:270 C: Current Application Number differs, Replaced Current Application Number
L:10 M:271 C: Current Filing Date differs, Replaced Current Filing Date

IFWP

RAW SEQUENCE LISTING   DATE: 06/27/2006
PATENT APPLICATION: **US/10/583,191** TIME: 10:38:45

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   Output Set: **N:\CRF4\06272006\J583191.raw**

  3 <110> APPLICANT: BASF Aktiengesellschaft
  5 <120> TITLE OF INVENTION: Psod-Expressionseinheiten
  7 <130> FILE REFERENCE: PF 55185/Mec
C--> 9 <140> **CURRENT APPLICATION NUMBER: US/10/583,191**
C--> 10 <141> **CURRENT FILING DATE: 2006-06-14**
 12 <160> NUMBER OF SEQ ID NOS: 44

ERRORED SEQUENCES

 2623 <210> SEQ ID NO: 44
 2624 <211> LENGTH: 7
 2625 <212> TYPE: DNA
 2626 <213> ORGANISM: Corynebacterium glutamicum
 2628 <220> FEATURE:
 2629 <223> OTHER INFORMATION: RIBOSOMALE_BINDUNGSSTELLE\SHINE-DALGARNO
 2631 <400> SEQUENCE: 44
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E--> 2636 PF 55185
E--> 2638 42
E--> 2642 PF 55185

Does Not Comply
Corrected Diskette Needed
(Cpg-1)

deleted

VERIFICATION SUMMARY   DATE: 06/27/2006
PATENT APPLICATION: **US/10/583,191**   TIME: 10:38:47

Input Set : **F:\seqlist.txt**
Output Set: **N:\CRF4\06272006\J583191.raw**

L:9 M:270 C: Current Application Number differs, Replaced Current Application Number
L:10 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:2636 M:254 E: No. of Bases conflict, LENGTH:Input:55185 Counted:9 SEQ:44
L:2636 M:320 E: (1) Wrong Nucleic Acid Designator, NUMBER OF INVALID KEYS:2
M:254 Repeated in SeqNo=44
L:2642 M:320 E: (1) Wrong Nucleic Acid Designator, NUMBER OF INVALID KEYS:2
L:2642 M:252 E: No. of Seq. differs, <211> LENGTH:Input:7 Found:11 SEQ:44